

Work Order ID 147842

Thursday, June 16, 2016 1:22:44 PM

147842

Page 1

Item ID: D3914-041

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Long Basket Lid Assembly (350)

Start Date: 6/16/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 6/30/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: *MLJ*Date: **JUN 16 2016**

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run HoursTool ID Tool # Plan
Code Accept Reject Reject Insp.
Qty Qty Number Stamp

Draw Nbr

Revision Nbr

D3914

C

D4020

A

100

Weld per dwg A/R S.S. rod Batch: *3134102* 0.00***100***

Large Fab

Memo

0.46

Large Fab

1- assemble ribs , weld as per dwg D3914 using DT9607A

2- weld hinge (3) and Mounting brackets as per dwg D3914

Visual inspect before welding mesh

3- tack weld mesh on basket as per dwg D3914

Cut out mesh where label plate goes in center off basket lid as per dwg D4020-5. Make sure to place mesh correctly on lid, check with label plate before tacking mesh

110

QC9- Inspect visual per QSI004- Fusion Welds 0.00

110

QC

Memo

0.00

Quality Control

*14 CC 16-8-29***AUG 30 2016****AUG 30 2016****DAS
24
9-86**

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
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Stop ***NR2***

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Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

120

QC5- Inspect part completeness to step on W/O

0.00

120

QC

Memo

0.00

Quality Control

AUG 30 2016

DAS
24
9-88

130

Black Sandtex(Ref:4.3.5.7) per QSI005 4.3

0.00

130

Powdercoat

Memo

0.04

Powder Coating

*** mask sides of hinge prior to powdercoat***

Start Time: 9:25

Oven Temperature: 320°

Finish Time: 9:55

1 φ 1609-1

DAS
34
9-89

140

Wing Walk as per dwg QSI005 4.4 Batch 1413531000

140

HandFinish

Memo

0.11

Hand Finishing

1- Mask data plate and apply wing walk on outside surface of mesh as per dwg

2- Install label as per dwg

***Mask label plate to size of label. use scotchbrite red pad to lightly sand area for label. apply label ***

1 x 1/2 16109101

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DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

150

QC3- Inspect Part Finish

0.00

150

QC

Memo

0.00

Quality Control

① 16.09.02

DAS
9
9-89

160

Identify as per dwg & Stock Location: w/b

0.00

D4030-041/B147387

1 x of all 16/09/16

160

Packaging

Memo

0.00

Packaging

170

QC21- Final Inspection - Work Order Release

0.00

170

QC

Memo

0.02

Quality Control

DAS
21
9-89

SEP 06 2016

DAS
21
9-89

SEP 06 2016

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Work Order ID: 147842

147842

Parent Item: D3914-041

D3914-041

Parent Item Name: Long Basket Lid Assembly (350)

Start Date: 6/16/2016

Required Date: 6/30/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:A new issue DD 10.03.19 verified by:EC IPP Rev:B
as per dwg revB DD 10.08.18 verified by:EC IPP Rev:C 13.03.14 AS
PER DWG REV.pcl DD VERF:JLM IPP REV:D 13.06.21 DWG
REV.C DD VERF:JFS

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3914-1 ✓ *D3914-1* Rib		Manufactured	No			100	Each	2.0000	2	2			
										**	CC	AUG 29 2016	
						<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>					
						WA004	2	B146342	→ (2x)				
						146343	2						
D3914-7 ✓ *D3914-7* Rib		Manufactured	No			100	Each	2.0000	2	2			
										**	CC	AUG 29 2016	
						<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>					
						WA004	2	B146411	→ (2x)				
						146412	2						
D4018-5 ✓ *D4018-5* Rib		Manufactured	No			100	Each	24.0000	9	9			
										**	CC	AUG 29 2016	
						<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>					
						WA004	24	B148051	→ (9x)				
						141367	3						
						146393	18						
						146395	3						

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Parent Item: D3914-041

D3914-041

Parent Item Name: Long Basket Lid Assembly (350)

Start Date: 6/16/2016

Required Date: 6/30/2016

Start Qty: 1.00

Required Qty: 1.00

D4035-043

Manufactured No

100 Each 6.0000 2 2

D4035-043

Lid Rib Assembly, Aft (350 Basket)

**

CC AUG 29 2016

Location

Loc Qty

Loc Code

WA004

6

6

Each

12.0000

2

2

**

CC AUG 29 2016

D2581

Manufactured No

100 Each 12.0000 2 2

D2581

Mounting Bracket

Location

Loc Qty

Loc Code

WA004

12

1

2

2

7

Each

-1.0000

1

1

**

D2728-3

Manufactured Yes

140 Each -1.0000 1 1

D2728-3

Dart Logo Label Large

D4016-3

Manufactured No

100 Each 31.0000 3 3

D4016-3

Hinge Half, Lid

**

CC AUG 29 2016

Location

Loc Qty

Loc Code

WA004

31

31

Each

3.0000

1

**

D4020-5

Manufactured No

100 Each 3.0000 1 1

D4020-5

Mesh (350 Basket Long, Lid)

CC AUG 29 2016

Location

Loc Qty

Loc Code

WA004

3

3

Each

3.0000

1

**

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Shop Packet Print

Page 2

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D3914-041

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Required Date: 6/30/2016

Start Qty: 1.00

Required Qty: 1.00

✓ D4021-3
Data Plate

Manufactured No

100

Each

8.0000

1

1

**

CC

AUG 29 2016

Location

Loc Qty

Loc Code

WA004

8

140814

8

1x

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Shop Packet Print

Page 3

DQA: _____ Date: _____



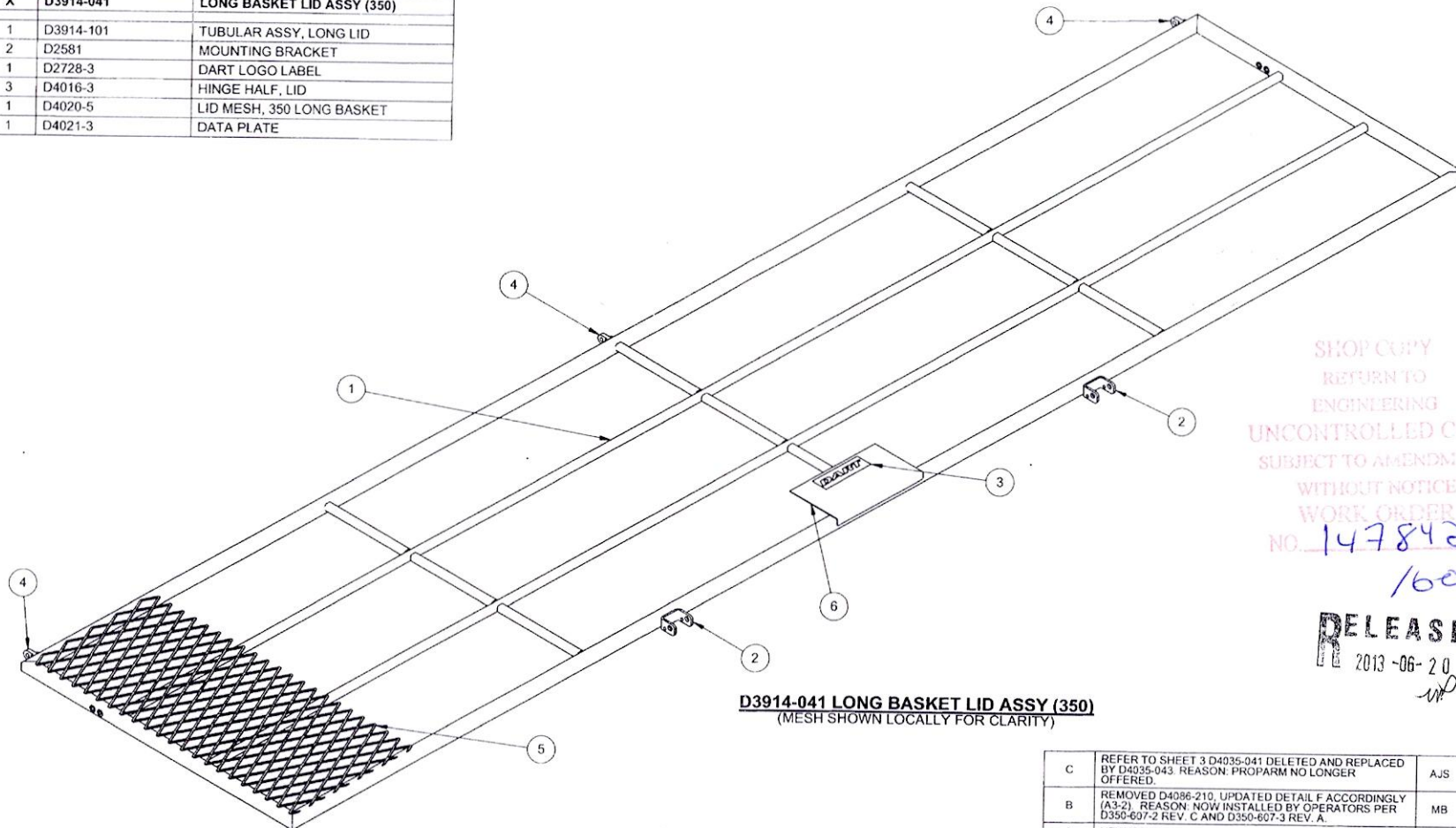
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OTHER :																																																																									

ITEM	QTY -041	P/N	DESCRIPTION
	X	D3914-041	LONG BASKET LID ASSY (350)
1	1	D3914-101	TUBULAR ASSY, LONG LID
2	2	D2581	MOUNTING BRACKET
3	1	D2728-3	DART LOGO LABEL
4	3	D4016-3	HINGE HALF, LID
5	1	D4020-5	LID MESH, 350 LONG BASKET
6	1	D4021-3	DATA PLATE



D3914-041 LONG BASKET LID ASSY (350)
(MESH SHOWN LOCALLY FOR CLARITY)

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 147842 MJS
/606-16

RELEASED
2013-06-20

C	REFER TO SHEET 3 D4035-041 DELETED AND REPLACED BY D4035-043. REASON: PROFORM NO LONGER OFFERED.	AJS	13.03.13
B	REMOVED D4086-210, UPDATED DETAIL F ACCORDINGLY (A3-2). REASON: NOW INSTALLED BY OPERATORS PER D350-607-2 REV. C AND D350-607-3 REV. A.	MB	10.08.05
A	NEW ISSUE	JPH	10.03.16
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED	A.P.	DRAWING NO.	REV. C
MFG. APPR.	SS	D3914	SHEET 1 OF 4
APPROVED	SS	TITLE	SCALE
DE APPR.	SS	LONG BASKET LID ASSY (350)	NTS
DATE	13.03.13	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS TO BE USED ONLY FOR THE PURPOSES FOR WHICH IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT THE WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

DQA: _____ Date: _____

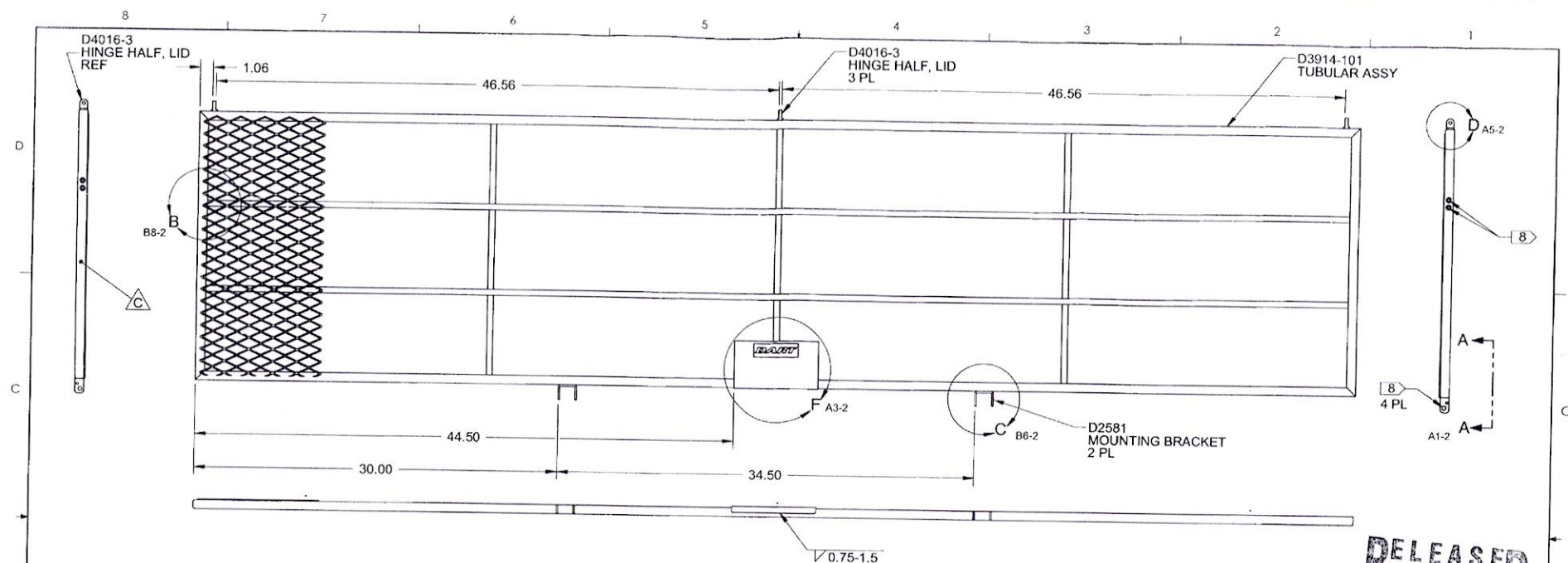


WORK ORDER NON-CONFORMANCE / UPDATE

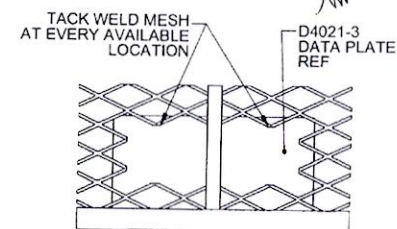
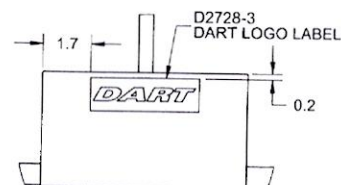
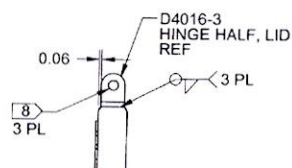
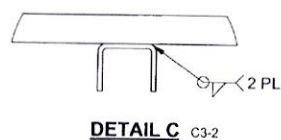
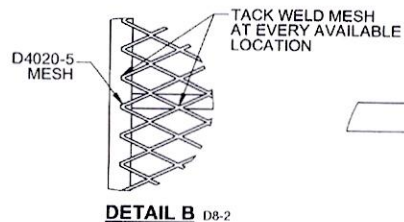
QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
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Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐	OTHER : _____							



D3914-041 LONG BASKET LID ASSY (350)
(MESH SHOWN LOCALLY FOR CLARITY)



NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: POWDER COAT BLACK SANDTEX (4.3.5.7) PER DART QSI 005 4.3
APPLY BLACK ANTI-SKID PAINT TO OUTSIDE SURFACE OF MESH PER DART QSI 005 4.4
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 22.35 lbs APPROX
- 8) MASK HOLES PRIOR TO FINISHING
- 9) WELD PER DART QSI 004

DESIGN	AJS	DART AEROSPACE LTD	
DRAWN	AJS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	AP	DRAWING NO.	REV. C
MFG. APPR.	AS	D3914	SHEET 2 OF 4
APPROVED	AP	TITLE	SCALE
DE APPR.	AP	LONG BASKET LID ASSY (350)	NTS
DATE	13.03.13	COPYRIGHT © 2010 BY DART AEROSPACE LTD	
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DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;">Skid-tube ☐</td> <td style="width:15%;">Cross tube ☐</td> <td style="width:15%;">Water Jet ☐</td> <td style="width:15%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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								Lead hand / Supervisor Approval Verification																	
								QC / QA Coordinator Approval																	
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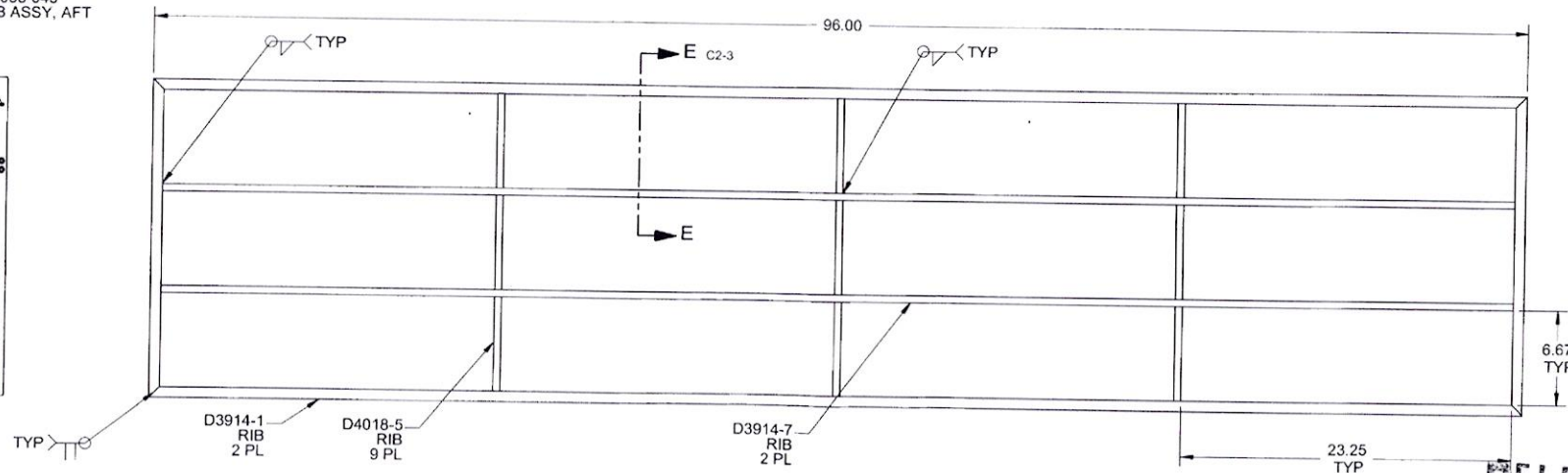
ITEM	QTY -101	P/N	DESCRIPTION
	X	D3914-101	TUBULAR ASSY, LONG LID (350)
1	2	D3914-1	RIB
2	2	D3914-7	RIB
3	9	D4018-5	RIB
4	2	D4035-043	BASKET LID RIB ASSY, AFT



SECTION E-E C5-3

D4035-043
RIB ASSY, AFT

D4035-043
RIB ASSY, AFT



8 D3914-101 TUBULAR ASSY, LONG LID

- NOTES:
- 1) MATERIAL: N/A
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: N/A
 - 6) IDENTIFICATION: N/A
 - 7) WEIGHT: 14.10 lbs
 - 8) TOLERANCE FOR XX.XX DIMENSIONS ± 0.06 FOR D3914-101
 - 9) WELD PER DART QSI 004

DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWING NO. D3914 TITLE LONG BASKET LID ASSY (350) COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR FOR REPRODUCTION IN ANY FORM WITHOUT THE WRITTEN PERMISSION FROM DART AEROSPACE LTD.	REV. C
DRAWN	AJS		SHEET 3 OF 4
CHECKED	AJS		SCALE
MFG. APPR.	AJS		NTS
APPROVED	AJS		
DE APPR.	AJS		
DATE	13.03.13		

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DQA: _____ Date: _____

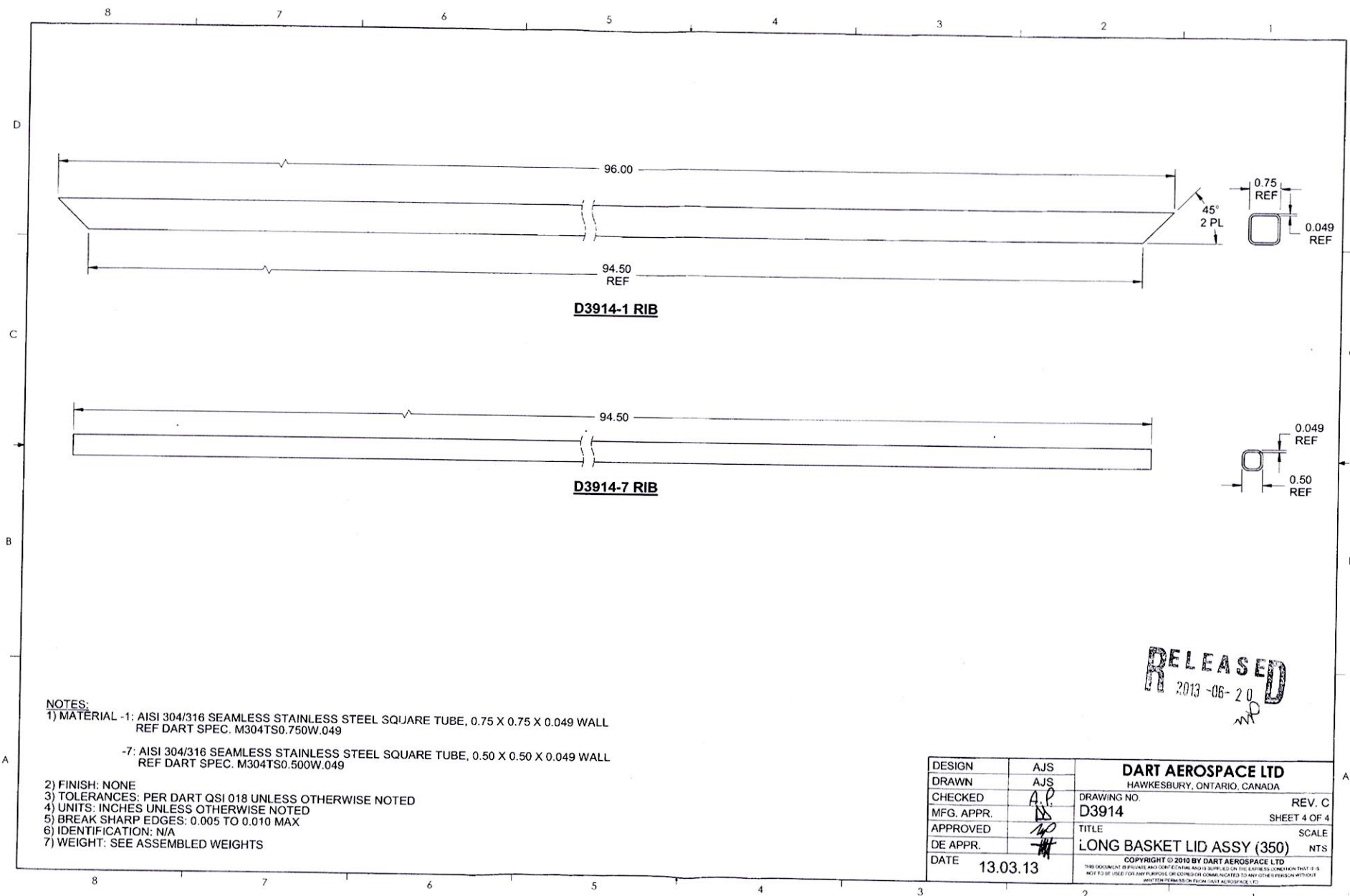


WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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DQA: _____ Date: _____

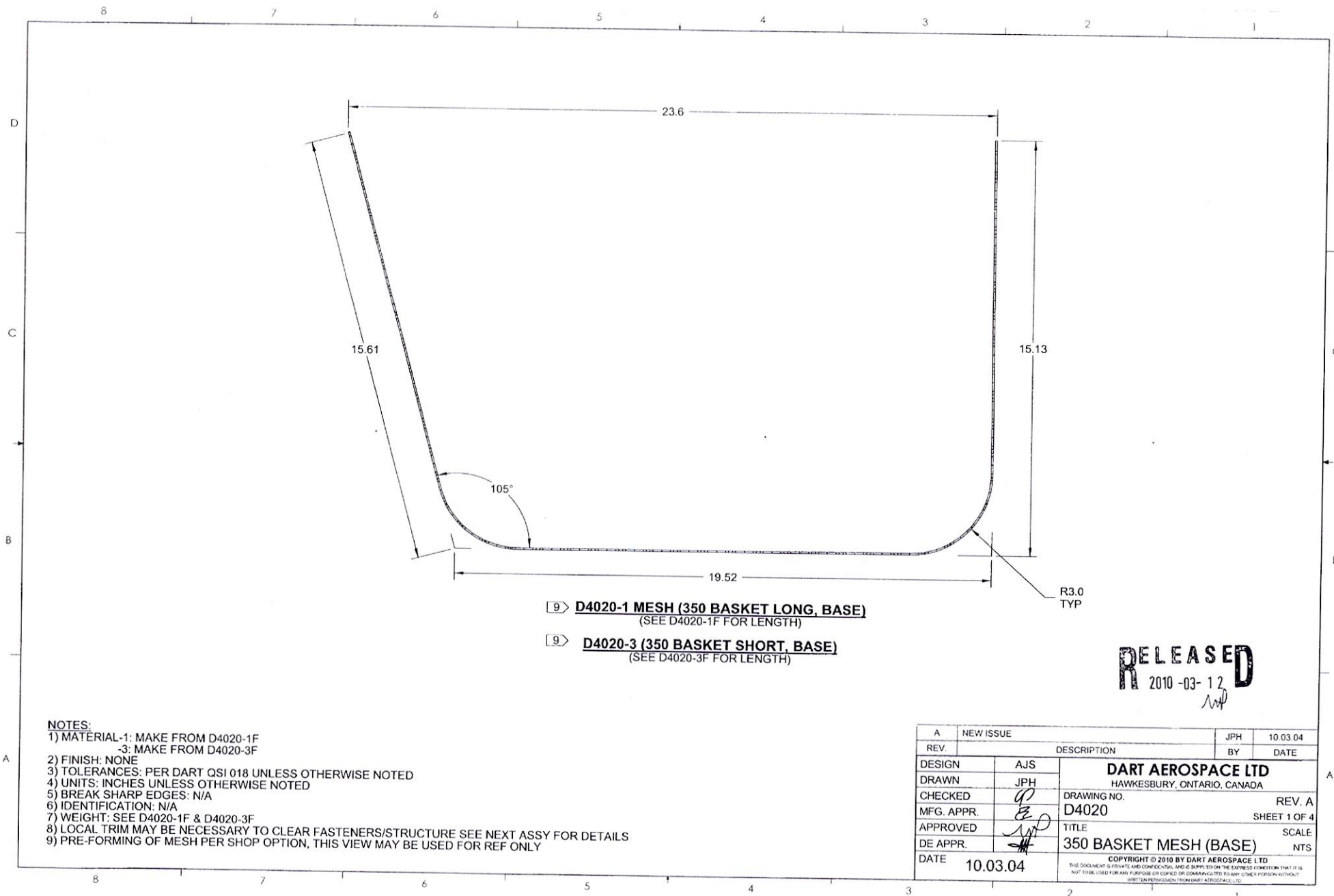
WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

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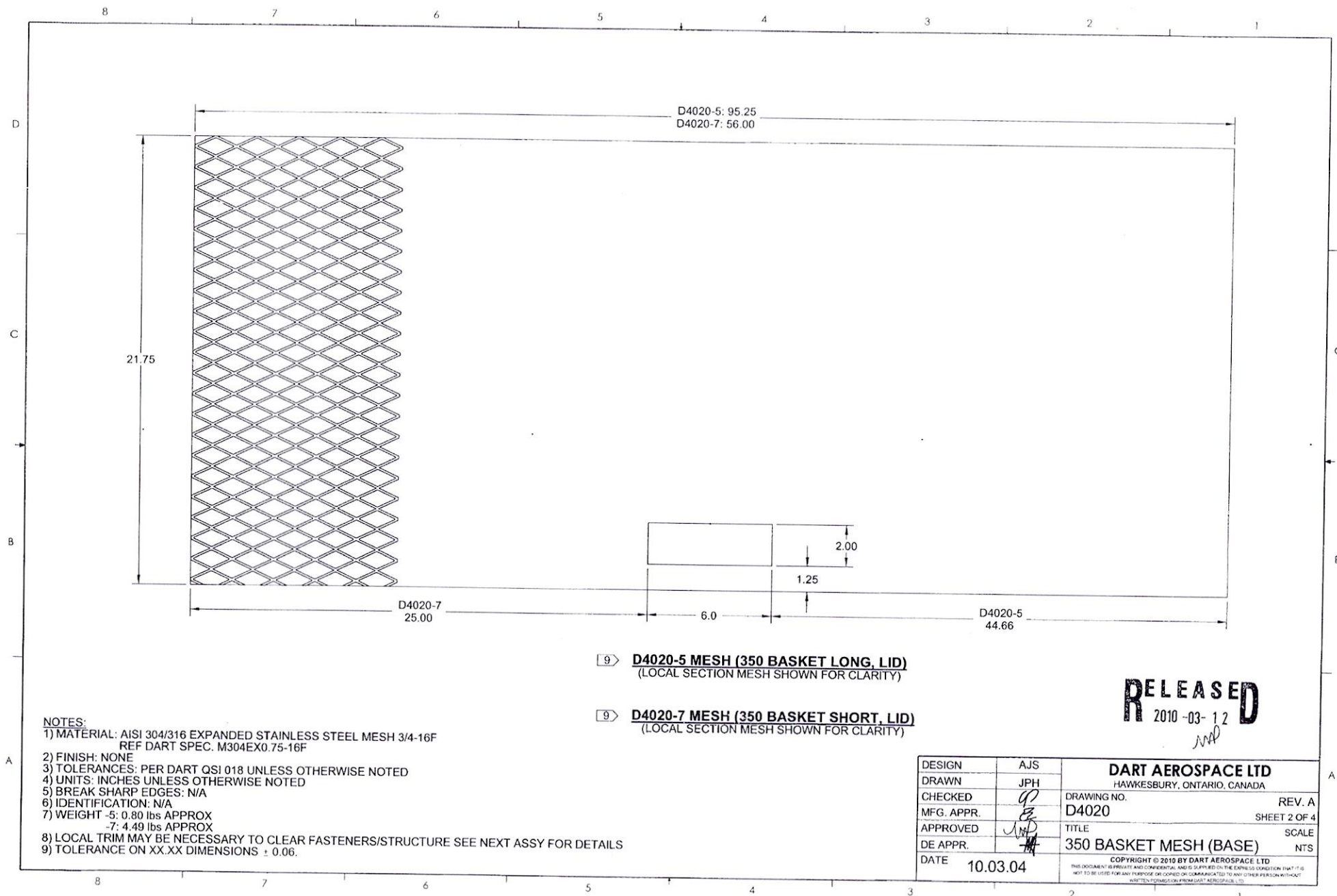


WORK ORDER NON-CONFORMANCE / UPDATE

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RELEASED
2010-03-12

DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	JPH		
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. A
MFG. APPR.	<i>[Signature]</i>	D4020	SHEET 2 OF 4
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	350 BASKET MESH (BASE)	NTS
DATE	10.03.04	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL. ANY DISSEMINATION OR REPRODUCTION OF THIS DOCUMENT IS PROHIBITED WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD.	

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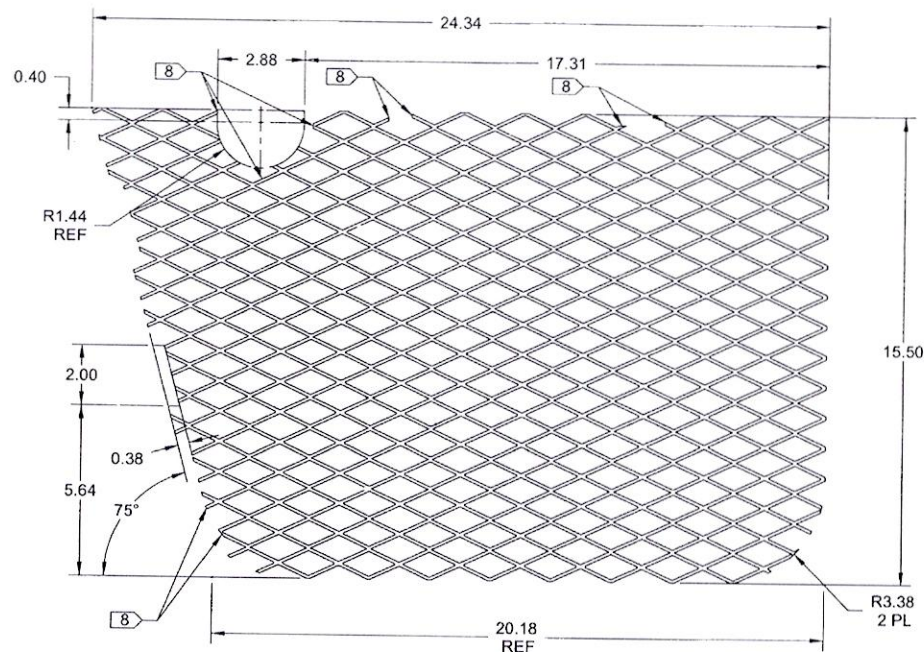


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9) **D4020-11 END MESH, BASKET**

NOTES:

- 1) MATERIAL: AISI 304/316 EXPANDED STAINLESS STEEL MESH 3/4-16F
REF DART SPEC. M304EX0.75-16F
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 1.22 lbs
- 8) LOCAL TRIM MAY BE NECESSARY TO CLEAR FASTENERS/STRUCTURE SEE NEXT ASSY FOR DETAILS
- 9) TOLERANCE ON XX.XX DIMENSIONS ± 0.06 .

RELEASED
2010-03-12

DESIGN	AJS	DART AEROSPACE LTD	
DRAWN	JPH	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4020	SHEET 3 OF 4
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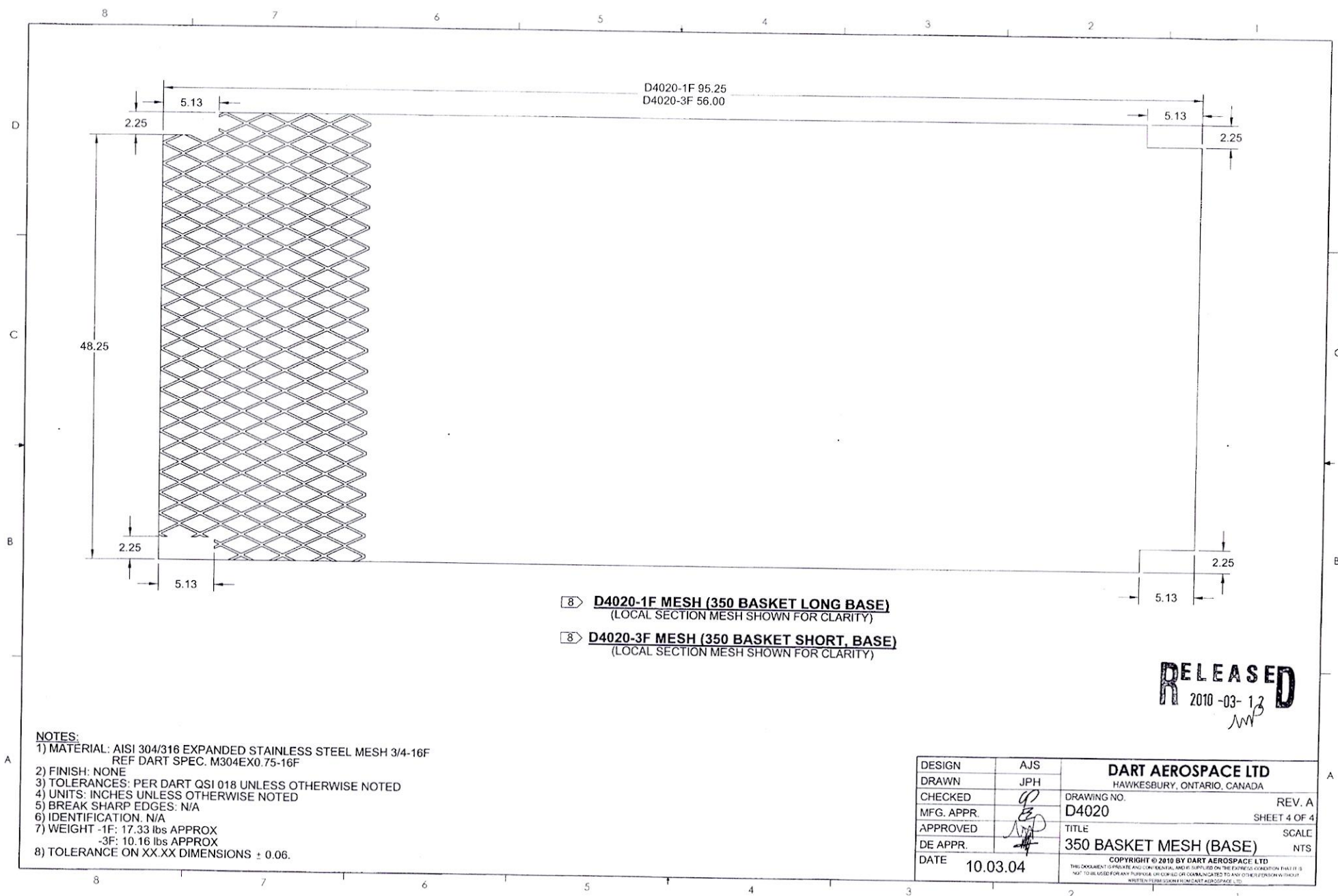


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